MMM MMM MMM MMM MMM MMM	AAAAAAA AAAAAAA AAAAAAA		
	A SECOND SECOND SECOND SECOND	111	
	AAA AAA	111	LLL
	AAA AAA	111	LLL
	AAA AAA	111	LLL
	AAA AAA	111	LLL
MMM MMM MMM	AAA AAA	111	LLL
MMM MMM MMM	AAA AAA	111	LLL
	AAA AAA	III	III
	AAA AAA	iii	iii
	AAA AAA	iii	iii
	AAAAAAAAAAAAA	111	
		iii	LLL
	AAAAAAAAAAAA	III	LLL
	AAAAAAAAAAAA	111	LLL
	AAA AAA	III	LLL
	AAA AAA	111	LLL
MMM MMM	AAA AAA	III	LLL
	AAA AAA	111111111	LLLLLLLLLLLLLL
	AAA AAA	111111111	LLLLLLLLLLLLLLL
	AAA AAA	111111111	

S) M/ M/ M/ M/

M MERCHANISM M MERCHANISM MARKET MARK

PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	RRRRRRRR RRRRRRRR RR RR RR RR RR RR RRRRRR		NN NN NN NN NN NN NN NN NNNN NN NNNN NN NN NN	
		\$		

MV

*	MAILSPRINT	QUEUE MAIL ME	ESSAGE FOR PRINTING	16-Sep-1984 14-Sep-1984	91:14:18	VAX-11 Bliss-32 V4.0-742 DISK\$VMSMASTER:[MAIL.SRC]PRINT.B32;1 (1)
	58 59 60 61	0058 1 ! 0059 1 ! 0060 1 !	V03-003 BLS0225 Set F0P=SQ0 on	Benn Schreiber temp file	17-Jun-	1983
	62 63 64	0062 1 !	V03-002 BLS0222 Make temp file	Benn Schreiber in SYS\$SCRATCH:	19-May-	1983
	65 66 67 68	0058 1 0059 1 0060 1 0061 1 0062 1 0063 1 0064 1 0065 1 0066 1 0067 1	V03-001 BLS0211 Add support for queue name.	Benn Schreiber ISAM mail files. R	7-Jan- ecursively to	1983 ranslate

V

```
MAILSPRINT
VO4-000
                                                                                                                                                            16-Sep-1984 01:14:12
14-Sep-1984 12:42:29
                                       QUEUE MAIL MESSAGE FOR PRINTING
                                                                                                                                                                                                                     VAX-11 Bliss-32 V4.0-742 P
DISK$VMSMASTER:[MAIL.SRC]PRINT.B32:1
      INCLUDE FILES:
                                                                             LIBRARY 'SYS$LIBRARY:STARLET';
REQUIRE 'SRC$:MAILREQ';
LIBRARY 'LIB$:MAILDEF';
                                                          ! TABLE OF CONTENTS:
                                                         FORWARD ROUTINE MAILSPRINT: NOVALUE
                                                                                                                                                                                                      Print message
Cancel GETQUI in progress
Close current job
                                                                              CANCEL_GETQUI : NOVALUE,
CLOSE_JOB : NOVALUE;
                                                         OWN
                                                                             CURQUE DESC : DYN DESC DECL.
DEFDIRDESC : DYN DESC DECL.
                                                                                                                                                                                   Current queus descriptor
Default dir + .mai
Current job ID
Number of files queued
                                                                           CURJOBID,
FILES QUEUED,
EXITSTATUS: LONG,
GETQUIEXITBLOCK: VECTOR[4]
INITIAL(0,
                                                                                                                                                                                  Exit status
Exit handler control block
declared during GETQUI
routine address
                                                                                                                                        CANCEL_GETQUI,
                                                                                                                                         EXITSTATUS),
                                                                                                                                                                                   Exit handler control block forward link
                                                                              EXITBLOCK:
                                                                                                                      VECTOR[4]
                                                                                                                      INITIAL (O
                                                                                                                                        CLOSE_JOB.
                                                                                                                                                                                      Routine address
                                                                                                                                                                                  Argument count
Location to receive status
Exit handler declared flag
                                                                                                                                        EXITSTATUS),
                                                                             EXITDECLARED:
                                                                                                                    LONG:
                                                              EXTERNAL REFERENCES:
                                                         EXTERNAL
                                                                  ERNAL
MAIL$GL FLAGS: $BBLOCK,
MAIL$L NMSG,
MAIL$L CURMSG: REF $BBLOCK,
MAIL$L MSG NUM,
MAIL$L MSG STS,
MAIL$L MSG RADR,
MAIL$U MSG RSIZ: WORD,
MAIL$U MSGBUFSIZ,
MAIL$U USERDEF: $BBLOCK,
MAIL$B MSGTRAN: BYTE;
                                                                                                                                                            !mail control flags
!Number of messages currently in vector
!Pointer to current message block
!Current message number
                                                                                                                                                           Message status
!Sequential msg address
!Sequential msg size
!Size of whole message buffer (seq file)
!Descriptor of mail dir
!Transition for isam msg reading
       111
       114
                                                       EXTERNAL ROUTINE

CLISPRESENT,

CLISGET VALUE,

MAILSFIND MSG,

MAILSFIND I MSG,

MAILSGET MSG,

MAILSGET MSG,

MAILSGET MSG,

MAILSGET MSG,

MAILSGET MSG,

MAILSFUT OUTPUT,

MAILSREWIND MSG,

MAILSREWIND MSG,
       116
                                                                                                                                                           !True if qualifier present
!Get qualifier value
!Find sequential message
!Find isam msg
! Get ISAM message text
       118
120
121
122
123
124
125
126
                                                                                                                                                                                  Get message text
Get text for signal code
Put to SYS$OUTPOT
                                                                                                                                                           !Rewind isam message
!Rewind sequential message
```

```
MAILSPRINT
VO4-000
                                                                                           16-Sep-1984 01:14:12
14-Sep-1984 12:42:29
                       QUEUE MAIL MESSAGE FOR PRINTING
                                                                                                                             VAX-11 Bliss-32_V4.0-742
                                                                                                                             DISKSVMSMASTER: [MAIL . SRC]PRINT . B32; 1
                                             MAILSTEST_SUBJ,
STR$COPY_DX,
STR$CONCAT,
STR$FREE1_DX,
UTILSGETFTLENAME,
UTILSREPORT_IO_ERROR;
                   !Test presence of subj: line
! String copy
    12890123345671389014423
                                                                                            !Concatenate strings
                                                                                                       ! Deallocate dynamic string
                                                                                           !Get filename spec
! Signal I/O error
                                     Define protection mask
                               1 LITERAL
                                       PRO_SYS = $BITPOSITION(XAB$V_SYS),
PRO_OWN = $BITPOSITION(XAB$V_OWN),
PRO_GRP = $BITPOSITION(XAB$V_GRP),
PRO_WLD = $BITPOSITION(XAB$V_WLD),
                                        NO_ACCESS = XABSM_NOREAD OR RABSM_NOWRITE OR XABSM_NOEXE OR XABSM_NODEL,
                                 144
    146
    148
149
150
151
152
153
154
155
                                        FILE_PRO =
                                             TXAB$M_NOEXE ^ PRO_SYS) OR
(XAB$M_NOEXE ^ PRO_OWN) OR
(NO_ACCESS ^ PRO_WLD);
                                    Define local names for shared messages
    156
157
                                 $SHR_MSGDEF (MAIL, 126, LOCAL,
    158
159
                                              (CREATED, INFO)
                                              (CONFQUAL, WARNING)
    160
                                              (INVQUAVAL, WARNING),
                                             (OPENOUT, ERROR)
(CLOSEOUT, ERROR)
    161
   162
                                              (READERR, WARNING).
    164
                                              (WRITEERR, ERROR));
                   0319
0311
0312
0313
P 0314
P 0315
P 0316
P 0317
P 0318
0319
    166
                                 BIND
                                       FF_STRING = UPLIT(BYTE(FF))
                                       LISTFILE_DESC = $DESCRIPTOR('SYS$SCRATCH:MAIL.LIS') : $BBLOCK;
    168
    169
                                  SD(
                                       'APPEND',
    171
    172
                                        'HEADER',
   174
                                        'MAIL'):
```

```
MAILSPRINT
                                                                                16-Sep-1984 01:14:12
14-Sep-1984 12:42:29
                                                                                                              VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [MAIL.SRC]PRINT.B32;1
                    QUEUE MAIL MESSAGE FOR PRINTING
   177
178
179
                              ROUTINE WRITE_REC (SND_RAB) =
                                FUNCTIONAL DESCRIPTION:
   180
181
182
183
184
185
186
187
188
                                        Write record to output file
                                INPUTS:
                                        SND_RAB is address of rab, RSZ and RBF filled in
                             BEGIN
                              RETURN $PUT(RAB=.SND_RAB, ERR=UTIL$REPORT_IO_ERROR)
   190
                                                                                             .TITLE
                                                                                                      MAILSPRINT QUEUE MAIL MESSAGE FOR PRINTING
                                                                                                       \V04-000\
                                                                                             . IDENT
                                                                                             .PSECT $CODE$, NOWRT, 2
                                                                                             .BYTE
                                                                            00000 P.AAA:
                                                                                                      12
\SYS$SCRATCH:MAIL.LIS\
                                                            53
40
                                                                 59
2E
             3A 48 43 54 41 52 43
                                                                           00001 P.AAC:
                                                                           00010
                                                                            00015
                                                00000014
000000000
4E 45 50 50 41
                                                                           00018 P.AAB:
                                                                                             . LONG
                                                                                             .ADDRESS P.AAC
                                                                           0001C
                                                                           00020 P.AAE:
                                                                                             .ASCII \APPEND\
                                                                           00026
00028 P.AAD:
                                                                                             .BLKB
                                                              00000006
                                                                                             . LONG
                                                                                             .ADDRESS P.AAE
                                                               00000000.
                                                                           0002C
00030 P.AAG:
                                                            4C 4C 41
                                                                           00033
00034 P.AAF:
00038
0003C P.AAI:
                                                                                             BLKB
                                                                                             .LONG
                                                       46 54 58 45
000000000
000000000
44 41 45 48
                                                                                             ADDRESS P.AAG
                                                                           00040 P.AAH:
00044
00048 P.AAK:
                                                                                             . LONG
                                                                                             ADDRESS P.AAI
                                                                                             .ASCII \HEADER\
                                                                          0004E
00050 P.AAJ:
00054
00058 P.AAM:
0005C P.AAL:
                                                                                             .BLKB
                                                       .LONG
                                                                                             .ADDRESS P.AAK
                                                                                             .ASCII \MAIL\
                                                                                             .LONG
                                                                                             ADDRESS P. AAM
                                                                                             .PSECT SOWNS, NOEXE, 2
                                                                      00# 00000 CURQUE_DESC:
                                                                                            .BYTE
                                                                                                      0[2]
                                                                                             BYTE BLKB
                                                                 02 OE
                                                                           00008 DEFDIRDESC:
                                                                                             .BYTE
.BYTE
.BLKB
                                                                                                      0[2]
                                                                           0000A
                                                                 02 OE
                                                                           00010 CURJOBID:
```

V

```
16-Sep-1984 01:14:12
14-Sep-1984 12:42:29
MAIL SPRINT
                                QUEUE MAIL MESSAGE FOR PRINTING
                                                                                                                                                                               VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[MAIL.SRC]PRINT.B32;1
V04-000
                                                                                                                        00014 FILES_QUEUED:
                                                                                                                                                     BLKB
                                                                                                                        00018 EXITSTATUS:
                                                                                                    00000000
                                                                                                                       0001C GETQUIEXITBLOCK:
                                                                                                                                                    . LONG
                                                                                                   00000000 00020 AD 0000000 00020 CEXITBLOCK:
                                                                                                                                                    ADDRESS CANCEL_GETQUI
                                                                                                                                                    .LONG
                                                                                                                                                    .ADDRESS EXITSTATUS
                                                                                                                                                    .LONG 0
                                                                                                                                                   .ADDRESS CLOSE_JOB
                                                                                                   00000000v
000000001
000000000
                                                                                                                                                    .ADDRESS EXITSTATUS
                                                                                                                        0003C EXITDECLARED:
                                                                                                                                                    .BLKB
                                                                                                                                   FF STRING=
LISTFILE DESC=
SD_APPEND=
SD_ALL=
SD_EXTF=
SD_HEADER=
SD_MAIL=
                                                                                                                                                                           P.AAA
                                                                                                                                                                           P.AAB
                                                                                                                                                                           P. AAD
                                                                                                                                                                           P.AAF
                                                                                                                                                                           P.AAH
                                                                                                                                                                           P.AAJ
                                                                                                                                                                 P.AAL

MAIL$GL_FLAGS, MAIL$L_NMSG

MAIL$L_CURMSG, MAIL$L_MSG_NUM

MAIL$L_MSG_STS, MAIL$L_MSG_RADR

MAIL$W_MSG_RSIZ

MAIL$L_MSGBUFSIZ

MAIL$Q_USERDEF, MAIL$B_MSGTRAN

CLI$PRESENT, CLI$GET_VĀLUE

MAIL$FIND_MSG, MAIL$FIND_I_MSG

MAIL$FIND_MSG, MAIL$FIND_I_MSG

MAIL$GET_MSG, MAIL$PUT_OUTPUT

MAIL$REWIND_I_MSG

MAIL$REWIND_MSG

MAIL$REWIND_MSG

MAIL$TEST_SUBJ, STR$COPY_DX

STR$CONCAT, STR$FREE1_DX

UTIL$GETFILENAME

UTIL$REPORT_IO_ERROR
                                                                                                                                                                           P.AAL
                                                                                                                                                    .EXTRN
                                                                                                                                                                   UTILSREPORT_10_ERROR
                                                                                                                                                    .EXTRN
                                                                                                                                                                   SYS$PUT
                                                                                                                                                    .EXTRN
                                                                                                                                                    .PSECT $CODE$, NOWRT, 2
```

0000 00000 WRITE_REC:

00 40 02

9F

DD FB

00000000G

. WORD

PUSHAB

PUSHL

RET

Save nothing UTILSREPORT_10_ERROR

SND_RAB

V

0320 0332

0333

: Routine Size: 19 bytes. Routine Base: \$CODE\$ + 0064

00000000G 00

MAILSPRINT V04-000	QUEUE MAIL MESSAGE FOR PRINTING	B 2 16-Sep-1984 01:14:12 14-Sep-1984 12:42:29	VAX-11 Bliss-32 v4.0-742 DISK\$VMSMASTER:[MAIL.SRC]PRINT.B32;1 (4)
192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210	0334 1 ROUTINE WRITE_FF (SND_RAB) = 0335 1		

			0	004 00000	WRITE_FF:	Sauce 82	0774
	52	84	AF	9E 00002	.WORD MOVAB	Save R2 FF_STRING, R2	0334
22	50 A0	04	AF AC 01	DO 00006 BO 0000A	MOVL	SND_RAB, RO #1, 34(RO) FF_STRING, 40(RO)	. 0348
28	AO AO		62 50 01	9E 0000E	MOVAB	FF_STRING, 40(RO)	0349 0351
05	AF		01	DD 00012 FB 00014	PUSHL	RO W1, WRITE_REC	0331
				04 00018	RET		: 0352

MA

; Routine Size: 25 bytes, Routine Base: \$CODE\$ + 0077

```
MAILSPRINT
VO4-000
                                                                                                                       16-Sep-1984 01:14:12
14-Sep-1984 12:42:29
                             QUEUE MAIL MESSAGE FOR PRINTING
                                                                                                                                                                   VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[MAIL.SRC]PRINT.B32;1
                            33555555666666666789012345678901234567890123
355555555666666666777777777777888888899123
35555555556666666783777777777777778888888899123
     GLOBAL ROUTINE MAILSEXTRACT_MESSAGE(HEADER_FLAG, SND_RAB) =
                                                FUNCTIONAL DESCRIPTION:
                                                           Extract the current msg to the output file
                                                INPUTS:
                                                           HEADER_FLAG = 1 to include msg header, 0 if not SND_RAB is address of output rab
                                            BEGIN
                                            MAP
                                                    SND_RAB : REF $BBLOCK;
                                            LOCAL
                                                   MORE_FLAG.
DESC : VECTOR[2,LONG];
                                            IF .MAIL$GL_FLAGS[MAIF_V_ISAM]
                                            THEN BEGIN
                                                   MAIL$REWIND_I MSG();
IF NOT .HEADER FLAG
THEN MAIL$B_MSGTRAN = MMB_C_TEXT;
WHILE MAIL$GET_I_MSG(DESC, MORE_FLAG)
                                                    DO BEGIN
                                                           SND_RAB[RAB$W_RSZ] = .DESC[0];
SND_RAB[RAB$L_RBF] = .DESC[1];
IF_ERR(WRITE_REC(.SND_RAB);,
RETURN .STATUS);
                                                           END;
                                                   END
                                           ELSE BEGIN
                                                   MAIL$REWIND_MSG();
IF NOT .HEADER_FLAG
THEN INCRU I FROM 0 TO (IF MAIL$TEST_SUBJ() THEN 3 ELSE 2)
DO IF NOT MAIL$GET_MSG() THEN EXITLOOP;
                                                   DO BEGIN
                                                          SND_RAB[RAB$W_RSZ] = .MAIL$W_MSG_RSIZ;
SND_RAB[RAB$L_RBF] = .MAIL$L_MSG_RADR;
IF_ERR(WRITE_REC(.SND_RAB);,
RETURN .STATUS);
                             0394
                            0395
0396
0397
                             0398
0399
                                                   WHILE MAILSGET_MSG():
                                                    END:
                                            RETURN TRUE
                             0400
     260
                             0401
                                            END:
```

00FC 00000

.ENTRY MAILSEXTRACT_MESSAGE, Save R2,R3,R4,R5,R6,- : 0353

V

57 00000000G 00 9E 00002

MOVAB MAILSGET_MSG, R7

MAILSPRINT V04-000	QUEUE MAIL MESSAGE FOR			6-Sep-1984 01:14:1 4-Sep-1984 12:42:2		2;1 Page (5)
	00000000G 00000000G 00000000G	56 CB 52 04 554 08 54 000000000000000000000000000000000000	AF 9E 00009 0C C2 00000 AC D2 00010 AC D0 00018 00 E9 0001C 00 FB 00023 52 E9 0002A 05 PD 00036 02 FB 00039 50 E9 00040 AE B0 00043 AE D0 00048 AC DD 00048 AC DD 00048 AC DD 00057 50 E8 00057 50 E9 00068 03 D0 00068 03 D0 00068 03 D0 00068	MOVAB SUBL2 MCOML MCOML MOVL S MOVL S BLBC CALLS BLBC MOVB PUSHL S PUSHAB CALLS BLBC MOVU PUSHL CALLS BLBC S BLBC S BLBC S BLBC S BLBC S S S S S S S S S S S S S S S S S S S	RITE REC, R6 12, SP LEADER FLAG, R2 IND_RAB, R5 IND_RAB, R4 IAILSGL_FLAGS, 2\$ IO, MAILSREWIND_I_MSG 2, 1\$ 15, MAILSB_MSGTRAN P ESC 2, MAILSGET_I_MSG IO, 8\$ LESC, 34(R5) ESC+4, 40(R4) IND_RAB II, WRITE_REC ITATUS, 1\$	0376 0380 0381 0373 0375 0376 0377 0378
	00000000G	66 DE 00 23 00 05 52	50 E8 00053 04 00056 00 FB 00057 52 E9 0005E 00 FB 00061 50 E9 00068 03 D0 0006B 03 11 0006E	BLBS S RET 28: CALLS # BLBC R CALLS # BLBC R MOVL # BRB 4 38: MOVL # 48: CLRL I BRB 6 58: CALLS # BLBC R INCL I 68: CMPL I BLEQU 5 78: MOVW M	0. MAIL\$REWIND_MSG 2. 7\$ 0. MAIL\$TEST_SUBJ 0. 3\$ 3. R2	0387 0388 0389
		67 07 52	02 D0 00070 53 D4 00073 08 11 00075 00 FB 00077 50 E9 0007A 53 D6 0007D	38: MOVL # 48: CLRL I BRB 6 58: CALLS # BLBC R INCL I 68: CMPL I	S O, MAIL\$GET_MSG O, 7\$	0390
	228	A5 000000006 A4 000000006 08 66 09 67 E1 50	53 D6 0007D 53 D1 0007F F3 1B 00082 00 B0 00084 00 D0 0008C AC DD 00094 01 FB 00097 50 E9 0009A 00 FB 0009D 50 E8 000A0 01 D0 000A3 04 000A6	7\$: BLEQU 5 7\$: MOVW M MOVL M PUSHL S CALLS M BLBC S CALLS M BLBS R BLBS R HOVL M PS: RET	\$ AIL\$W_MSG_RSIZ, 34(R5) AIL\$L_MSG_RADR, 40(R4) ND_RAB 1. WRITE_REC TATUS, 9\$ 0, MAJL\$GET_MSG 0, 7\$ 1, R0	0393 0394 0396 0398 0400 0401

```
16-Sep-1984 01:14:12
14-Sep-1984 12:42:29
MAILSPRINT
                          QUEUE MAIL MESSAGE FOR PRINTING
                                                                                                                                              VAX-11 Bliss-32 V4.0-742 Page 10 DISK$VMSMASTER:[MAIL.SRC]PRINT.B32;1 (6)
V04-000
    2634566789012345678901234567890123
2634566789012345678901234567890123
                         ROUTINE EXTRACT_ALL_ISAM(HEADER_FLAG, SND RAB) =
                                         FUNCTIONAL DESCRIPTION:
                                                   Extract all messages from the current folder/seq. file to the output file.
                                         INPUTS:
                                                   HEADER_FLAG = 1 if all msgs, 0 if current msg only
SND_RAB is address of output file rab
                                      BEGIN
                                     LOCAL STATUS;
                                      BUILTIN
                                             AP,
CALLG;
                                      MAIL$L MSG NUM = 0;
WHILE MAIL$FIND_I_MSG(0)
DO BEGIN
                                             IF .MAIL$L_MSG_NUM NEQ 1
    THEN WRITE_FF(.SND_RAB);
IF NOT (STATUS = CALLGT.AP, MAIL$EXTRACT_MESSAGE))
    THEN RETURN .STATUS;
                                   RETURN TRUE
```

			0	00C	00000	EXTRACT	ALL IS	AM: Save R2,R3		: 0402	
	53	000000006	00 63 7E	9E 04	00002		MOVAB	MAIL\$L_MSG_NUM, MAIL\$L_MSG_NUM	R3	0424	
0000000G	00 1 C		01 50	FB E9	0000B 0000D 00014	18:	CLRL CALLS BLBC CMPL BEQL PUSHL	#1. MAIL SEIND I	MSG	0425	
	01	08	63 08	01 13 00	00017 0001A		BEQL	RO, 38 MAIL\$L_MSG_NUM, 28 SND_RAB	#1	0427 0428	-
FF1C FF30	CF CF	00	AC 01 6C	FB FA DO	0001F 00024	28:	CALLS CALLG MOVL BLBS MOVL	M1, WRITE FF (AP), MAICSEXTR	ACT_MESSAGE	0429	
	DC 50		50 50 52	E 8	0002c 0002f		BLBS	RO, STATUS RO, 18 STATUS, RO		0430	
	50		01	00	00033	3\$:	RET MOVL RET	#1, R0		0432 0433	

MI

OF STATES OF STA

; Routine Size: 55 bytes, Routine Base: \$CODE\$ + 0137

F 2 16-Sep-1984 01:14:12 VAX-11 Bliss-32 V4.0-742 Page 11 14-Sep-1984 12:42:29 DISK\$VMSMASTER:[MAIL.SRC]PRINT.B32;1 (6)

```
G 2
16-Sep-1984 01:14:12
14-Sep-1984 12:42:29
MAILSPRINT
VO4-000
                           QUEUE MAIL MESSAGE FOR PRINTING
                                                                                                                                                        VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[MAIL.SRC]PRINT.832;1
                                         ROUTINE EXTRACT_ALL_SEQ(HEADER_FLAG, SND_RAB) =
    4556789012344444444445554567890123
604433334444444444445554567890123
60443333444444444445554567890123
                                            FUNCTIONAL DESCRIPTION:
                                                       Extract all sequential msgs to the output file
                                            INPUTS:
                                                       HEADER FLAG = 1 to include msg headers, 0 if not SND_RAB is address of output rab
                                         BEGIN
                                         BUILTIN
                                                AP,
CALLG;
                                        LOCAL
STATUS:
MAIL$L MSG NUM = 0;
WHILE MAIL$FIND_MSG(0)
                                         DO BEGIN
                                                IF .MAIL$L_MSG_NUM NEQ 1
THEN WRITE_FF(.SND_RAB);
IF NOT (STATUS = CALLG(.AP, MAIL$EXTRACT_MESSAGE))
THEN RETURN .STATUS;
                                         RETURN TRUE
                                         END:
```

		0000 0000	EXTRACT_ALL_SE . WORD	0:	. 0/7/
	53 000000000	63 D4 0000	MOVAB	Save R2,R3 MAIL\$L_MSG_NUM, R3 MAIL\$L_MSG_NUM	0434
000000006	00 10		18: CLRL CALLS BLBC CMPL BEQL PUSHL	#1, MAILSFIND_MSG	0455
	01	01 FB 0000 50 E9 0001 63 D1 0001 08 13 0001	CMPL BEQL	RO, 3\$ MAIL\$L_MSG_NUM, #1 2\$	0457
FEES FEF9	CF CF	01 FB 0001 6C FA 0002	CALLS CALLS CALLG	SND_RAB #1, WRITE FF (AP), MAIESEXTRACT_MESSAGE	0458
	52 DC 50	6C FA 0002 50 D0 0002 50 E8 0002 52 D0 0002 04 0003	CALLS CALLS CALLS MOVL BLBS MOVL	RO, STATUS RO, 18 STATUS, RO	0460
	50	01 00 0003 04 0003	RET MOVL RET	#1, RO	0462 0463

MIV

; Routine Size: 55 bytes, Routine Base: \$CODE\$ + 016E

```
MAILSPRINT
                                                                                                                       16-Sep-1984 01:14:12
14-Sep-1984 12:42:29
                             QUEUE MAIL MESSAGE FOR PRINTING
                                                                                                                                                                   VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[MAIL.SRC]PRINT.B32;1
V04-000
                            GLOBAL ROUTINE MAILSCMD_EXTRACT =
     FUNCTIONAL DESCRIPTION:
                                                           Handle the EXTRACT command, to extract a message out to a separate sequential file
                                            BEGIN
                                            LOCAL
                                                   SND_FAB : $FAB_DECL,
SND_RAB : $RAB_DECL,
SND_NAM : $NAM_DECL,
SND_RSS : $BBLOCK[NAM$C_MAXRSS],
SND_XABPRO : $XABPRO DECL,
SND_DESC : VECTOR[2,[ONG],
CREATE_STATUS,
                                                    STATUS,
                                                   HEAD FLAG : BYTE,
APPEND FLAG : BYTE,
MAIL FLAG : BYTE,
                                                    ALL_FLAG : BYTE:
                                                   DYN_DESC : DYN_DESC_DECL:
                                           ALL FLAG = CLISPRESENT(SD ALL);

APPEND FLAG = CLISPRESENT(SD APPEND);

HEAD_FEAG = CLISPRESENT(SD_HEADER);

MAIL_FLAG = CLISPRESENT(SD_MAIL);
                                           IF .MAIL FLAG
AND NOT .HEAD FLAG
                                                   THEN RETURN SIGNAL (MAILS_CONFQUAL);
                                           IF NOT .ALL_FLAG
                                                   IF (IF .MAIL$GL_FLAGS[MAIF_V_ISAM]
THEN .MAIL$E_CURMSG_EQE U
ELSE (NOT .MAIL$L_MSG_STS AND .MAIL$L_MSG_STS NEQ 0))
THEN RETURN SIGNAL (MAIL$_NOTREADIN);
                                          ELSE BEGIN

IF (IF .MAIL$GL FLAGS[MAIF V_ISAM]

THEN .MAIL$[ NMSG EQL 0 |

ELSE .MAIL$L MSGBUFSIZ EQL 0 )

THEN RETURN SIGNAL (MAIL$_NOMSGS);
                                           SFAB_INIT(FAB=SND_FAB,
FNS=.DYN_DESC[DSCSW_LENGTH],
FNA=.DYN_DESC[DSCSA_POINTER],
DNM='.TXT',
                         P
                         PP
                                                           FAC=(PUT, TRN),
CTX=MAIL$_OPENOUT,
```

V

```
MAILSPRINT
VO4-000
                                                                                                      16-Sep-1984 01:14:12
14-Sep-1984 12:42:29
                                                                                                                                             VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[MAIL.SRC]PRINT.B32;1
                         QUEUE MAIL MESSAGE FOR PRINTING
                                                   NAM=SND_NAM,
    RAT=CR
                                                   RFM=VAR):
                         $xabpro_INIT(xab=SND_xabpro,
UIC=(0,0));
                      P
                                      IF .MAIL FLAG
THEN BEGIN
                                            APPEND_FLAG = 1;
If .DeFDIRDESC[DSC$W_LENGTH] EQL 0
    THEN STR$CONCAT(DEFDIRDESC, MAIL$Q_USERDEF, $DESCRIPTOR('.MAI'));
SND_FAB[FAB$B_DNS] = .DEFDIRDESC[DSC$W_LENGTH];
SND_FAB[FAB$L_DNA] = .DEFDIRDESC[DSC$A_POINTER];
SND_FAB[FAB$L_XAB] = SND_XABPRO;
SND_XABPRO[XAB$W_PRO] = SND_PRO;
                                             END:
                                      SNAM_INIT (NAM=SND_NAM,
                                                   ESA=SND_RSS,
ESS=NAMSC_MAXRSS,
                                                   RSA=SND_RSS
                                                    RSS=NAMSC MAXRSS);
                                      SND_DESC[1] = SND_RSS;
                                      IF .APPEND_FLAG
                                             THEN SND_FAB(FAB$V_CIF] = TRUE;
                                     CREATE_STATUS = $CREATE(FAB=SND_FAB,ERR=UTIL$REPORT_IO_ERROR);
IF NOT .CREATE_STATUS
THEN RETURN .CREATE_STATUS;
    411
    412
    414
    415
                                      IF .SND_FAB[FAB$B_ORG] NEQ FAB$C_SEQ
    416
                                      THEN BEGIN
                                            SND FAB[FAB$L STS] = RMS$ IOP;
UTI[$REPORT IO ERROR(SND FAB);
$CLOSE(FAB=SND FAB);
    RETURN RMS$_10P
                                             END:
                         0560
0561
0562
0563
0564
0565
0566
0567
0568
0569
0570
0571
                                      $RAB_INIT(RAB=SND_RAB,
CTX=MAIL$_OPENOUT,
                                                   FAB=SND_FAB);
                                      IF .APPEND FLAG
                                             THEN SND_RAB[RAB$V_EOF] = TRUE;
                                      0572
0573
0574
0575
0576
0577
                                                   RETURN .STATUST:
                                      SND_RAB[RAB$L_CTX] = MAIL$_WRITEERR;
CH$MOVE(DSC$C_S_BLN,UTIL$GETFILENAME(SND_FAB),SND_DESC);
                                   3 IF (IF .APPEND_FLAG
```

MAILSPRINT V04-000	QUEUE	MAIL MESSAGE FOR	PRINTI	NG			1	J 2 6-Sep-198 4-Sep-198	34 01:14 34 12:42	:12 VAX-11 Bliss-32 V4.0-742 Pa 2:29 DISK\$VMSMASTER:[MAIL.SRC]PRINT.B32;1	ge 15 (8)
440 441 443 444 445 446 447 448 449 450 451 453 455 457 458	0578 0579 0580 0581 0582 0583 0584 0586 0586 0589 0591 0593 0594 0595	THEN CELSE IN THEN STATUS	AG MAILSEX GL_FLAG IS = EXT IS = EXT CTX] = LFAB, ER	RAB);	MESS. V I ACL I	AGE(SAM] SAM(EQ(.	.HEAD_ .HEAD_F	FLAG, SND FLAG, SND LAG, SND_I	RAB) RAB);		
			54	4 58 9 41	54 4D 00000	2E 2E 004	001A5 001A9 001AD 001B0 001B4	P.AAN: P.AAP: P.AAO:	.ASCII .ASCII .BLKB .LONG .ADDRES	\.TXT\ \.MAI\ 3 SS P.AAP	:
									.PSECT	SOWNS, NOEXE, 2	
					02	00# 0E	00040 00042 00044	DYN_DES	BYTE BYTE BLKB	0[2]	•
									.EXTRN	SYS\$CREATE, SYS\$CLOSE SYS\$CONNECT	
									.PSECT	\$CODE\$,NOWRT,2	
					(OFFC	00000		.ENTRY	MAIL\$CMD_EXTRACT, Save R2,R3,R4,R5,R6,R7,-	: 0464
			5B 000 5A 5E	00000' FE6F FDAC	OO CF CE SA	9E 9E 9E 9D FB	00002 00009 0000E 00013 00015 0001C 0001F		MOVAB MOVAB MOVAB PUSHL CALLS	MAIL\$CMD_EXTRACT, Save R2,R3,R4,R5,R6,R7,- R8,R9,R10,R11 DEFDIRDESC, R11 SD_ALL, R10 -596(SP), SP R10	0490
		000000006	00 59		01 50		00015 0001c		CALLS	#1 CLIRDDECENT	. 0470
		00000006	00 57	F4	01 50 AA 01 50	9F FB	0001F 00022		PUSHAB	SD_APPEND #1. CLISPRESENT	0491
		00000000G	00 58	10	AA	90 9f FB	0002¢		MOVB PUSHAB CALLS MOVB PUSHAB CALLS MOVB PUSHAB CALLS	SD_HEADER #1. CLISPRESENT	0492
		0000000G	58 00 56	28	01 50 AA 01 50	90 9F FB	0002F 00036 00039 0003C 00043		MOVB PUSHAB CALLS MOVB	RO, ALL FLAG SD_APPEND #1. CLISPRESENT RO, APPEND_FLAG SD_HEADER #1. CLISPRESENT RO, HEAD_FLAG SD_MAIL #1. CLISPRESENT RO, MAIL_FLAG	0493

M

MAILSPRINT VO4-000	QUEUE MA	AIL M	ESSAGE FOR	PR	INTING			1	2 -Sep-1 -Sep-1	984 01:14 984 12:42	4:12 VAX-11 Bliss-32 V4.0-742 P 2:29 DISK\$VMSMASTER:[MAIL.SRCJPRINT.B32;1	age 16
				08 08	007E12E0	56 58 8F 57	E 8	00046 00049 00040		BLBC BLBS PUSHL	MAIL_FLAG, 18 HEAD_FLAG, 18 #8262368	: 0494 : 0495 : 0496
			00000000G	00	38 00	58 87 AB AO 50	91 91 FE	00054 00057 0005A 00061	18:	PUSHAB PUSHAB CALLS BLBS	MAIL_FLAG, 1\$ HEAD_FLAG, 1\$ #8262368 B\$ DYN_DESC SD_EXTF #2, CLISGET_VALUE STATUS, 2\$	0499
	50 00000000G	00		01 21 0A	0000000G	099007C0059F90060EF1	E E E E E E E E E E E E E E E E E E E	00046 00049 00046 00052 00057 00057 00065 00065 00065 00076 00076 00076 00076 00076 00076 00076 00076 00090 0000	2\$:	BRB PUSHAB PUSHAB CALLS BLBS RET EXTZV BLBS BLBC TSTL BNEQ BRB MOVL BLBS BEQL PUSHL BRB BLBC TSTL	#0, #1, MAILSGL_FLAGS, RO ALL_FLAG, 5\$ RO, 3\$ MAILSL CURMSG	0503 0501 0503 0504
				50 28	000000006	0C 00 50	11 D(E8	0007C 0007E 00085	3\$:	BRB MOVL BLBS	48 MAIL\$L_MSG_STS, RO RO, 9\$ 95	0505
					007E8022	8F	DI	88000 8 88000 6	48:	PUSHL	98 #8290338 85	0506
				08	000000006	50 00	E 9	00092	58:	BLBC	RO 65 MAIL\$L_NMSG	0509 0510
					00000000G	06	11 D:	0009B	6\$: 7\$:	RRR	7\$ MAIL\$L_MSGBUFSIZ	0511
			00000000G	00	007E804A	8F 01	DE DE FE	000A5 000AB	88:	TSTL BNEQ PUSHL CALLS	#8290378 #1, LIB\$SIGNAL	0512
0050	8F	00		6E	20	00	20	000B2	98:	RET MOVC5	#0, (SP), #0, #80, \$RMS_PTR	0523
0058	8F	00	B0 C8 CE D8 DC E45	AD AD AD AD AD AD AD	007E10A2 0202 FF0C 3C 0171 38	00 ABF 1 8 F C AB C	B(0) B(0) B(0) P(0) P(0) P(0) P(0) P(0) P(0) P(0) P	000C6 000CE 000D4		MOVW MOVB MOVU MOVAB MOVAB MOVAB MOVB MOVB MOVC5	#20483, \$RMS_PTR #17, \$RMS_PTR+22 #8261794, \$RMS_PTR+24 #514, \$RMS_PTR+30 SND_NAM, \$RMS_PTR+40 DYN_DESC+4, \$RMS_PTR+44 P.AAN, \$RMS_PTR+48 DYN_DESC, \$RMS_PTR+52 #4, \$RMS_PTR+53 #0, (SP), #0, #88, \$RMS_PTR	0526
			80	AE 2C 57	08	AE 8F 56 01 6B 13	B(E)	000F5 000F7 000FD 00100 00103		MOVW BLBC MOVB TSTW	#22547, SRMS PTR MAIL FLAG, 1TS #1, APPEND FLAG DEFDIRUESC 10S P.AAO	0528 0530 0531
					017C 00000000G	CA 00	B 1 9 9	00105 00107 0010B		BNEQ PUSHAB PUSHAB	P.AAO MAILSQ_USERDEF	0532
0040	a.c		00000000G E5 E0 04 10	OO AD AD AE 6E		COO 50 50 50 50 50 50 50 50 50 50 50 50 50	DE 96	00111 00113 0011A 0011E 00123 00128	108:	PUSHL CALLS MOVB MOVL MOVAB MNEGW	R11 W3. STR\$CONCAT DEFDIRDESC, SND FAB+53 DEFDIRDESC+4, SND FAB+48 SND XABPRO, SND FAB+36 W52, SND XABPROF8 W0, (SP), W0, W96, \$RMS_PTR	0533 0534 0535 0536 0543
0060	8F	00	FFOC	CD	FFOC	CD 8f	B(00133	115:	MOVC5 MOVW	#0, (SP), #0, #96, SKMS_PTK #24578, \$RMS_PTR	0543

MI

MAILSPRINT V04-000	QUEUE MAIL	MESSAGE FOR	PRINTING		16-Sep-1 14-Sep-1	984 01:14: 984 12:42:	VAX-11 BLiss-32 V4.0-742 DISKSVMSMASTER: [MAIL.SRC]PRINT	Page 17
		FF0E FF10 FF16 FF18 04 B7	CD 60 CD 60 CD 60 AE 60 04 AD 0000000006 B0 56 04 50	01 AE 01 AE 57 00 AD 02 56	8E 0013D 9E 00142 8E 0014B 9E 0014D 9E 00153 E9 00158 88 0015B 9F 0015F 12\$: 9F 00165 FB 00168 DO 0016F EB 00172		SND RSS, SRMS PTR+4 SND RSS, SRMS PTR+10 SND RSS, SRMS PTR+12 SND RSS, SND DESC+4 APPEND FLAG, 12\$ 12, SND FAB+7 UTILSREPORT_IO_ERROR SND FAB 12, SYS\$CREATE RO, CREATE STATUS CREATE_STATUS, RO	0544 0546 0547 0549
		B8 000000006 000000006	CD AD 00018574 B0 00 B0 00 50 00018574	AD 9	00 00175 04 00178 95 00179 13\$: 13 0017C 00 0017E 9F 00186 FB 00189 9F 00190 FB 00193 00 0019A 04 001A1	TSTB	SND_FAB+29 14\$ 199700, SND_FAB+8 SND_FAB 11, UTIL\$REPORT_IO_ERROR SND_FAB 11, SYS\$CLOSE 199700, RO	0553 0555 0556 0557
0044 8F	00	FF6C 84 A8 FF71	6E CD 4401 AD 007E10A2 AD 80 05 CD 00000000G	8F 8 8F 8 8D 9	04 001A1 2C 001A2 14\$: 001A9 B0 001AC D0 001B3 9E 001BB E9 001C0 B8 001C3 9F 001C8 15\$:	MUVES	VO, (SP), WO, W68, \$RMS_PTR V17409, \$RMS_PTR V8261794, \$RMS_PTR+24 SND_FAB, \$RMS_PTR+60 APPEND_FLAG, T5\$ V1, SND_RAB+5 UTIL\$REPORT_IO_ERROR SND_RAB V2, SYS\$CONNECT RO, STATUS	0563 0565 0566
		00000000G B5 00000000G	FF6C 00 52 15 05	CD 9	9F 001CE FB 001D2 D0 001D9 E8 001DC E8 001DF 88 001E2 9F 001E7 16\$: FB 001EA 31 001F1	PUSHAB CALLS MOVL BLBS BLBS BISB2 PUSHAB CALLS BRW	SND_RAB V2, SYS\$CONNECT RO, STATUS STATUS, 17\$ APPEND_FLAG, 16\$ V128, SND_FAB+5 SND_FAB V1, SYS\$CLOSE	
	6E		AD 007E10D2 B0 00 60 0B 8F	8F AD 01 009B 8F AD 01 08 57	00 001F4 17\$: 9F 001FC FB 001FF 28 00206 E9 0020A	MOVL PUSHAB CALLS MOVC3 BLBC	73261842, SND_RAB+24 SND_FAB 71, UTIL\$GETFILENAME 78, (RO), SND_DESC APPEND_FLAG, T8\$ CREATE_STATUS, #67077 208	0574 0575 0577
	19 11	00010619 000000006	AD 00	56 20 05 1 02 02 02 56	01 0020D 12 00214 11 00216 E0 00218 18\$: E1 0021D 19\$:	CALLS MOVC3 BLBC CMPL BNEQ BRB BBS BBS	REATE_STATUS, #67097 20\$ 19\$ 12. SND FAB+64, 20\$ 12. MAIE\$GL_FLAGS, 20\$	0577 0578 0579 0580 0581
		00000000G FC7D	007E1073	CD 9	DD 00225 DD 00227 DD 00229 FB 0022F E9 00236 20\$: 9F 00239 FB 0023D	BBS BBC PUSHL PUSHL CALLS BLBC PUSHAB CALLS	V1 V8261747 V3, LIB\$SIGNAL APPEND FLAG, 21\$ SND_RAB V1, WRITE_FF	0583 0584

MAILSPRINT V04-000	QUEUE MAIL	MESSAGE FOR	PRINTING		1	M 2 6-Sep-1 4-Sep-1	1984 01:14:12 1984 12:42:29	VAX-11 BLiss-32 V4.0-742 DISKSVMSMASTER:[MAIL.SRC]PRINT.	.B32;1 Page 18
		F 687	OE 7E CF	59 CD 58 02	EB 00242 9F 00245 9A 00249 FB 00240	21\$:	BLBS AL PUSHAB SN MOVZBL HE CALLS #2	L_FLAG, 22\$ ND_RAB EAD_FLAG, -(SP) RAIL\$EXTRACT_MESSAGE	0587
		FD19	OE 00000000G FF6C 7E CF	00 CD 58 02	E9 00253 9F 0025A 9A 0025E FB 00261	228:	BLBS AL PUSHAB SM MOVZBL HE CALLS M2 BRB 24 BLBC MA PUSHAB SM MOVZBL HE CALLS M2 BRB 24 PUSHAB SM MOVZBL HE CALLS M2 MOVZBL HE CALLS M2 PUSHAB SM MOVL M6 PUSHAB SM	AILSGL_FLAGS, 23\$ ND_RAB EAD_FLAG, -(SP) 2. EXTRACT ALL ISAM	0588 0589
		FD42	7E CF	0C CB 58 02 50	9F 00268 9A 0026C FB 0026F	23\$: 24\$:	BRB 24 PUSHAB SN MOVZBL HE CALLS #2	ND RAB EAD FLAG(SP) 2. EXTRACT_ALL_SEQ 3. STATUS B261722. SND FAB+24 TIL\$REPORT_IO_ERROR ND_FAB 2. SYS\$CLOSE TATUS. RO	0590
		C8	AD 007E105A 00000000G BO	8F 00	DO 00274 DO 00277 9F 0027F 9F 00285	2401	MOVL #8 PUSHAB U1 PUSHAB SN	B261722, SND_FAB+24 TIL\$REPORT_IO_ERROR	0592 0593
		000000006	00 50	00 AD 02 52	FB 00288 D0 0028F 04 00292	258:	CALLS MA MOVL ST RET	Z. SYSSCLOSE TÁTUS, RO	0595 0596

MAILSPRINT VO4-000	QUEUE MAIL MESSAGE FOR	PRINTING	N 2 16-Se 14-Se	p-1984 01:14:1 p-1984 12:42:2	2 VAX-11 Bliss-32 V4.0-742 9 DISK\$VMSMASTER:[MAIL.SR	2 CJPRINT.B32;1 (9)
460 461 462 463 464 465 466 467 468 469 470	0598 2 BEGIN 0599 2 !++ 0600 2 ! This routine 0601 2 ! while getqui 0602 2 !	GETQUI : NOVALU cancels any GET request outstan	E = QUI in progress ding		n image exit done	
	0000000G	7E 07 00 0	0000 00000 CANO E 7C 00002 E 7C 00004 1 7D 00006 E D4 00009 7 FB 0000B 04 00012	CEL_GETQUI: .WORD S CLRQ - CLRQ - MOVQ # CLRL -	YS\$GETQUIW ave nothing (SP) (SP) (SP) (SP) (SP) (SP) (SP) (SP)	0597 0605 0607

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MAILSPRINT
                                                                                           16-Sep-1984 01:14:12
14-Sep-1984 12:42:29
                       QUEUE MAIL MESSAGE FOR PRINTING
                                                                                                                              VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[MAIL.SRC]PRINT.B32;1
V04-000
                      ROUTINE GET_FLAG_TRAILER (FLAG_ITEM, TRAILER_ITEM) : NOVALUE =
   ろろろう
                                  BEGIN
                                     This routine does a $GETQUIW on the current gueue (in CURQUE_DESC)
                                     and returns the correct flag and trailer options to use in create job.
                               うというというというというというというと
                                     IMPLICIT INPUTS:
                                    OUTPUTS:
                                             FLAG_ITEM contains the sic$ code for flg page, TRAILER_ITEM
                                              contains code for trailer page.
                                  LOCAL
                                        GETQLST: $1TMLST DECL(1TEMS=3),
QUEUE_FLAGS: $BB[OCK[8] VOLATILE,
1058: VECTOR[4,WORD],
                                        SEARCH_FLAGS,
STATUS;
                                 (ITMCOD=QUIS_SEARCH_FLAGS
                                                         BUFADR=SEARCH_FLAGS,
                                                         BUFSIZ=4)
                      0640
                                             (ITMCOD=QUI$_QUEUE_FLAGS, BUFADR=QUEUE_FLAGS));
                      0641
0642
0643
                                 $GETQUIW(FUNC=QUI$ CANCEL OPERATION);
$DCLEXH(DESBLK=GETQUIEXITBLOCK);
                      0644
0645
0646
0647
0648
0649
0650
0651
0653
0654
0655
0656
0657
0658
                                  STATUS = $GETQUIW(FUNC=QUI$_DISPLAY_QUEUE,
                                              ITMLST=GETQLST.
                                 IOSB=IOSB);
$GETQUIW(FUNC=QUI$_CANCEL_OPERATION);
    511
    512
513
514
515
516
517
                                  $CANEXH(DESBLK=GETQUIEXITBLOCK):
                                  IF .STATUS
                                        THEN STATUS = .10SB[0];
                                 IF NOT .STATUS
                                        THEN RETURN:
    518
519
                                 IF NOT (.QUEUE FLAGS[QUI$V QUEUE FILE FLAG]

OR .QUEUE FLAGS[QUI$V QUEUE FILE FLAG ONE])

THEN .FLAG ITEM = SJC$ NO FILE FLAG;

IF (.QUEUE FLAGS[QUI$V QUEUE FILE TRAILER]

OR .QUEUE FLAGS[QUI$V QUEUE FILE TRAILER ONE])

THEN .TRAILER_ITEM = SJC$_FILE_TRAILER_ONE;
    520
521
522
523
524
525
526
                      0660
0661
0662
                                  RETURN:
                                  END:
```

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.EXTRN SYSSDCLEXH, SYSSCANEXH

				00	16 (00000	GET_FLAG_TRAILE	R:	0408
		54 53 5E	000000000	00 00 38 25	9E 2000000000000000000000000000000000000	00002	MOVAB MOVAB SUBL2	Save R2,R3,R4 SYS\$GETQUIW, R4 GETQUIEXITBLOCK, R3	0608
	04	BC		25 20	00 0	0010 0013 0017 0018	MOVL	GETQUIEXITBLOCK, R3 #56, SP #37, aflag ITEM #45, atrailer_item	0630
			14	OA AE	DD C	001B	PUSHL	#10	0632
		50 80 80	E4 4D E8	A3 8F	80 C	0021	MOVW	GETQLST, \$\$1TMBLKPTR CURQUE DESC, (\$\$1TMBLKPTR)+ #77, (\$\$1TMBLKPTR)+	
				AE A3 8F A3 80 8F	DO 0	001D 00021 00025 00029 0002D 0002F 00036	MOVL	#77, (\$\$ITMBLKPTR)+ CURQUE DESC+4, (\$\$ITMBLKPTR)+ (\$\$ITMBLKPTR)+	
		80	00400004	8F 6E 80	DO 0	002F	MOVAB	(\$\$ITMBLKPTR) + #4980740, (\$\$ITMBLKPTR) + SEARCH_FLAGS, (\$\$ITMBLKPTR) + (\$\$ITMBLKPTR) + #4521988, (\$\$ITMBLKPTR) + QUEUE_FLAGS, (\$\$ITMBLKPTR) + (\$\$ITMBLKPTR) +	
		80	00450004	8F	DO C	פכטטו	CLRL	(\$\$ITMBLKPTR)+ #4521988, (\$\$ITMBLKPTR)+	
		80	00	80	7C C	0042	MOVAB	QUEUE_FLAGS, (\$\$ITMBLKPTR)+ (\$\$ITMBLKPTR)+	
		70		7E 7E	70 0	0048 004A	CLRQ	-(SP)	: 0642
		7E		01 7E	D/. C	004C	MOVQ	#1, -(SP) -(SP)	
	0000000000	64		7E 07 53	FB C	0054	CALLS PUSHL	M7, SYS\$GETQUIW	0643
	000000006	00	0.0	7E	FB 0	0056 005D	CALLS	#1 SYS\$DCLEXH -(\$P)	0646
		76	20 0C	AE	9F 0	0051 0054 0056 0055 0065 0065 0065	PUSHAB PUSHAB	TOSB GETQLST	
		7E		06 7E	7D 0	8000	MOVQ	#6, -(SP) -(SP)	
		64 52		50	VU V	UUUU	MOVL	#7, SYSSGETQUIW RO, STATUS	
		75		50 7E 7E	7C 0	0070	CLRQ CLRQ	-(SP) -(SP)	0647
		7E		01 7E	7D 0	0074 0077 0079	MOVQ	#1, -(\$P) -(\$P)	
	0000000G	64		53	FB O	0075	CALLS PUSHL	#7, SYS\$GETQUIW R3	0648
	00000000	00 22 52 18 AE AE	04	52	E9 0	007C 007E 0085	PUSHL CALLS BLBC MOVZWL	#1, SYSSČANEXH STATUS, 38	0649
na	ОС	18	04	52	E9 0	0088 0080 008F 0094 0099	BLBC	STATUS, 38	0650
09	00	AE		06	EO O	0094	BBS BBS	%6. QUEUE FLAGS, 18	0655 0656 0657
	04	O.C.	00	AE	95 0	KOUSD	15: MOVL	STATUS, 38 IOSB, STATUS STATUS, 38 #5, QUEUE_FLAGS, 18 #6, QUEUE_FLAGS, 18 #38, aflag ITEM QUEUE_FLAGS 28	0658
	08	04 BC	OD	7E 07 50 50 50 50 60 60 60 60 60 60 60 60 60 60 60 60 60	DB 000000000000000000000000000000000000	0A00 2A00 6A00	BLSS BLBC POVL	ANERE LEWOZAL 92	0659 0660
	00	ot		26	04 0	AAOO	28: MOVL 38: RET	#44, STRAILER_ITEM	0665

; Routine Size: 171 bytes, Routine Base: \$CODE\$ + 045E

QUEUE MAIL MESSAGE FOR PRINTING

0 3 16-Sep-1984 01:14:12 14-Sep-1984 12:42:29

VAX-11 Bliss-32 V4.0-742 Page 22 DISK\$VMSMASTER:[MAIL.SRC]PRINT.B32;1 (10)

```
16-Sep-1984 01:14:12
14-Sep-1984 12:42:29
                                                                                                                                                  VAX-11 Bliss-32 V4.0-742
DISKSVMSMASTER: [MAIL.SRC]PRINT.B32;1
MAILSPRINT
                          QUEUE MAIL MESSAGE FOR PRINTING
V04-000
                         (ITMCOD=SJC$ ENTRY NUMBER.
    BUFADR=CURJOBID).
                                                     (ITMCOD=SJC$ NOTIFY, BUFSIZ=0,
                                                                  BUFADR=0));
                                              STATUS = $SNDJBCW(FUNC=SJC$_ALTER_JOB,
ITMLST=ALTJOBLIST,
                                                                   IOSB=JBCIOSB):
                                              IF NOT .STATUS
                                                     OR NOT (STATUS = .JBC10SB[0])
                                                     THEN SIGNAL (MAILS ALTPRIJOB, 2, . CURJOBID, CURQUE DESC, . STATUS);
                                              END:
                                          If FORCE is specified, simply call close job and return
                                      IF .PRQ FLAGS[PRQ V FORCE]
THEN IF .FILES QUEUED EQL 0
THEN RETURN SIGNAL (MAILS_NOMSGPRI)
                                                     ELSE RETURN CLOSE JOB():
                                          If there is no job currently open, or if a queue name is specified, and it isn't the same as the current job's close the open job, and open
                                           a new print job.
                                       if .CURQUE_DESC[DSC$W_LENGTH] EQL 0
OR (.QUEUE[DSC$W_LENGTH] NEQ 0
   AND CH$NEQ(.QUEUE[DSC$W_LENGTH],.QUEUE[DSC$A_POINTER],
   .CURQUE_DESC[DSC$W_LENGTH],.CURQUE_DESC[DSC$A_POINTER],)))
    610
    612
613
614
615
616
617
618
                                                    BEGIN
CLOSE_JOB():
                                       THEN
                                                                                                                                     ! Close any open job
                                                    STRSCOPY_DX(CURQUE_DESC,(IF .QUEUE[DSC$W_LENGTH] NEQ 0
THEN .QUEUE
ELSE $DESCRIPTOR('SYS$PRINT')));
                                                    GET FLAG TRAILER (FLAG ITEM, TRAILER_ITEM);
$ITMLST_INIT(ITMLST=CREJOBLIST,
                                                                  (ITMCOD=SJC$_ENTRY_NUMBER_OUTPUT.BUFADR=CURJOBID),
(ITMCOD=SJC$_QUEUE.BUFSIZ=.CURQUE_DESC[DSC$W_LENGTH],
BUFADR=.CURQUE_DESC[DSC$A_POINTER]),
(ITMCOD=(IF .PRQ_FLAGS[PRQ_V_NOTIFY)
THEN SJC$_NOTIFY
ELSE SJC$_NO_NOTIFY),
BUFADR=0
    6212345627628663334566378641
                          0760
                          0761
                                                                                BUFADR=0
                         0762
0763
0764
0765
0766
0767
0768
0776
0771
0772
0773
0774
                                                                               BUFSIZ=0)
                                                                  (ITMCOD=.FLAG_ITÉM,BUFADR=0,BUFSIZ=0),
(ITMCOD=.TRAICER_ITEM,BUFADR=0,BUFSIZ=0));
                                                    STATUS = $SNDJBCW(FUNC=SJC$ CREATE JOB, ITMEST=CREJOBLIST,
                                                                                             IOSB=JBCIOSB):
                                                     IF NOT . STATUS
                                                           OR NOT (STATUS = .JBC10SB[0])
                                                     THEN BEGIN
                                                           SIGNAL (MAIL$_CREPRIJOB,1,CURQUE_DESC,.STATUS);
                                                           RETURN STRSFREET_DX (CURQUE_DESCT;
                                                                                                                       !No current queue
                                                           END:
                                                    END:
```

```
16-Sep-1984 01:14:12
14-Sep-1984 12:42:29
                                                                                                                                                       VAX-11 Bliss-32 V4.0-742
DISKSVMSMASTER: [MAIL.SRC]PRINT.B32;1
MAILSPRINT
                           QUEUE MAIL MESSAGE FOR PRINTING
V04-000
                                         ! Create a temporary file
    0778
0779
0780
0781
0782
0783
                                                                    FAB = TMP FAB,
FNA = .LISTFILE_DESCEDSCSA_POINTER],
FNS = .LISTFILE_DESCEDSCSW_LENGTH],
CTX = MAILS_OPEROUT,
FOP = (TMP, SQO),
NAM = TMP_NAM,
DAT = CP):
                                         SFAB_INIT(
                                                                                                                                             Create a FAB
                                                                                                                                              File name address
                                                                                                                                               File name size
                                                                                                                                               Temporary file
                                                                                                                                               Name block address CR/LF records
                                                                     RAT = (R)
                          0786
0787
0788
0789
                                                                    RAB = TMP RAB,
FAB = TMP FAB,
CTX = MAIC$ OPENOUT,
UBF = BUFF,
                                         $RAB_INIT(
                                                                                                                                             Create a RAB
                                                                                                                                              FAB address
                                                                                                                                              Record buffer addr
Record buffer size
                                                                    UBF = BUFF,

USZ = MAIL$K INBUFFSZ);

NAM = TMP_NAM,

RSA = TMP_ESNAM,

RSS = NAM$C MAXRSS,

ESA = TMP_ESNAM,

ESS = NAM$C_MAXRSS);
                           0790
                          0791
0792
0793
0794
                                        SNAM_INIT(
                                                                                                                                             Name block
                                                                                                                                               Name buffer address
                           0795
                                     2 STATUS = $CREAT
2 IF NOT .STATUS
THEN RETURN
2 Copy the mess
2 IF_ERR($CONNECT
TMP_FAB
                                                                                                                                               Name buffer size
                           0796
0797
0798
0799
0800
                                         STATUS = $CREATE(FAB = TMP_FAB, ERR=UTIL$REPORT_10_ERROR);! Create the file
                                                THEN RETURN .STATUS:
                           0801
                                            Copy the message to the file
                          0802
0803
0804
0805
                                        0806
0807
                           0808
0809
0810
0811
0812
0813
0814
0815
0816
0817
0818
                                        IF NOT .PRQ_FLAGS[PRQ_V_ALL]
THEN STATUS = MAIL$EXTRĀCT_MESSAGE(1,TMP_RAB)
ELSE IF .MAIL$GL_FLAGS[MAIF_V_ISAM]
THEN STATUS = EXTRACT_ALL_ISAM(1,TMP_RAB)
ELSE STATUS = EXTRACT_ALL_SEQ(1,TMP_RAB);
    678
679
    680
681
682
683
684
685
686
687
688
691
695
697
698
                                        IF NOT .STATUS
                                                                                                                                         ! If failure
                                        THEN
                                                       BEGIN
                                                       TMP_FAB[FAB$V_DLT] = 1: $CLOSE(FAB = TMP_FAB); ! Delete file
                                                       RETURN:
                       P 0820
0821
0822
0823
0824
0825
0826
0827
0828
P 0830
P 0831
P 0832
P 0833
                                        TMP_FAB[FAB$L_CTX] = MAIL$_CLOSEOUT;
IF_ERR($CLOSETFAB = TMP_FAB,ERR=UTIL$REPORT_IO_ERROR);, ! Close the file
                                                       RETURN):
                                            Add the file to the print job
                                        Set device name
Set file ID
                                                                                                                                          directory ID
                                                                     BUFADR=BUFF)
                                                       (ITMCOD=SJCS_DELETE_FILE,
```

```
16-Sep-1984 01:14:12
14-Sep-1984 12:42:29
                                                                                                                                                       VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [MAIL.SRC]PRINT.B32;1
MAIL SPRINT
                           QUEUE MAIL MESSAGE FOR PRINTING
V04-000
                                        BUFADR=U,

BUFSIZ=0),

(1TMCOD=SJC$ FILE COPIES,

BUFADR=COPIES));

STATUS = $SNDJBCW(FUNC=SJC$ ADD FILE,

ITMEST=ADDFILE&IST,
    699
700
701
702
703
704
707
708
709
710
713
714
717
718
719
                          0838
0839
0840
                                                                                   IOSB=JBCIOSB):
                                         OR NOT (STATUS = .JBC10SB[0])
                           0842
0843
                                         THEN SIGNAL (MAILS_CREPRIJOB, 1, CURQUE_DESC, .STATUS)
                           0844
0845
0846
0847
0848
0849
                                         ELSE BEGIN
                                                       FILES_QUEUED = .FILES_QUEUED + 1;
IF NOT .EXITDECLARED
                                                                                                                                       ! If no exit handler
                                                       THEN
                                                                     BEGIN
                                                                     EXITDECLARED = $DCLEXH(DESBLK=EXITBLOCK): Declare exit handler
                                                                     IF NOT .EXITDECLARED
                                                                     THEN
                           0851
0852
0853
                                                                                  SIGNAL (.EXITDECLARED);
                                                                     END:
                                                       END:
                                     1 END;
                                                                                                       00509 P.AAR:
                                                4E 49 52 50 24 53 59 53
                                                                                                                                             \SYS$PRINT\
                                                                                                                                .ASCII
                                                                                                       00512
00514 P.AAQ:
                                                                                                                                .BLKB
                                                                                      00000009
                                                                                                                                -LONG
                                                                                      00000000 00518
                                                                                                                                .ADDRESS P.AAR
                                                                                                                                .EXTRN SYS$SNDJBCW
                                                                                              OFFC 00000
                                                                                                                                .ENTRY
                                                                                                                                             MAIL$PRINT, Save R2,R3,R4,R5,R6,R7,R8,R9,-
                                                                                                                                                                                                                             0663
                                                                                                                                             R10,R11
                                                                        000000006
000000006
000000006
                                                                                                                                             UTILSREPORT TO ERROR, R11
SYS$SNDJBCW, RTO
                                                                                                       00002
                                                                                                                                MOVAB
                                                                                           0000F0E70CD7F70F70F800ED3
                                                                                                      00009
                                                                                                                                MOVAB
                                                                                                                                MOVAB
                                                                                                                                             LIBSSIGNAL, R9
                                                                   58
57
5E
                                                                                                                                             P.AAQ, R8
CURQUE DESC, R7
-1204(SP), SP
                                                                        00000000°
                                                                                                       00017
                                                                                                                                MOVAB
                                                                                                      0001B
00022
00027
                                                                                                                                MOVAB
                                                                               FB4C
                                                                                                                                MOVAB
                                                                                                                                             FILES_QUEUED
                                                                                                                               TSTL
                                                                                                                                                                                                                             0713
                                                                                                 13 0002A
E9 00030
B0 00035
9B 00038
D0 0003C
D4 00040
D0 00047
9E 00049
D4 00046
7C 00056
D4 00058
7C 0005A
9F 00060
                                                                                                       AS000
                                                                                                                                BEQL
                                                                                                                                            PRQ_FLAGS, 2$
ALTJOBLIST, $$ITMBLKPTR
CURQUE_DESC, ($$ITMBLKPTR)+
#134, ($$ITMBLKPTR)+
CURQUE_DESC+4, ($$ITMBLKPTR)+
($$ITMBLKPTR)+
#1966084, ($$ITMBLKPTR)+
CURJOBID, ($$ITMBLKPTR)+
($$ITMBLKPTR)+
#7077888, ($$ITMBLKPTR)+
($$ITMBLKPTR)+
($$ITMBLKPTR)+
($$ITMBLKPTR)+
($$ITMBLKPTR)+
                                                                               FF58
                                                                                                                                BLBC
                                                                   50
80
80
80
                                                                                                                                MOVAB
                                                                                                                                                                                                                             0724
                                                                                                                                MOVW
                                                                                  86
                                                                                                                                MOVZBW
                                                                                                                                MOVL
                                                                                                                                CLRL
                                                                        001E0004
                                                                                                                                MOVL
                                                                                                                                MOVAB
                                                                                                                                CLRL
                                                                   80 00600000
                                                                                                                                MOVL
                                                                                                                                CLRQ
                                                                                                                                              ($$!TMBLKPTR)+
                                                                                                                                CLRL
                                                                                                                                                                                                                            0727
                                                                                                                                CLRQ
                                                                                                                                             -(SP)
                                                                               FF50
FF58
                                                                                                                               PUSHAB
                                                                                                                                             JBCIOSB
                                                                                                                                             ALTJOBLIST
#3, -(SP)
                                                                                                                                PUSHAB
                                                                   7E
                                                                                                                                MOVO
```

MAILSPRINT V04-000	QUEUE	MAIL MES	SAGE FOR	PR	INTING			16-Sep 14-Sep	-1984 01:14 -1984 12:42	0:12 VAX-11 Bliss-32 V4.0-742 DISKSVMSMASTER:[MAIL.SRC]PRINT.B3	2;1 Page 27
		16	OC	6A 56 08 56 12	FF50 10 007E80F2 14 007E80EA	7E705606657702F501709FD002700270027002700270027002700270027002	0 F D S D D D D D D D D D D D D D D D D D	00067 00069 0006C 0006F 00072 00077 00078 0007C 0007E 00081 00083 00089 00080 2\$:	CLRL CALLS MOVL BLBC MOVL BLBS PUSHL PUSHL PUSHL PUSHL PUSHL PUSHL SBC TSTL BNEQ PUSHL BRW	-(SP) #7. SYS\$SNDJBCW R0. STATUS STATUS, 1\$ JBCIOSB. STATUS STATUS. 2\$ STATUS R7 CURJOBID #2 #8290546 #5. LIB\$SIGNAL #1. PRQ FLAGS. 4\$ FILES_QUEUED 38 #8290538 22\$ #0. CLOSE_JOB	0735 0736 0737
		000	000000	00 52 50	04	67 18 AC	F B 04 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000A6 000A7 4\$:	CALLS RET MOVZWL BEQL MOVL TSTW	CURQUE_DESC, R2 6\$ QUEUE, R0 (R0)	0738 0744 0745
52		00	04	51 B0	04	67 18 AC 60 08 A7 60 61 03 00 8C 05	13	000B2 000B4 000B8 000BE	MOVL TSTW BEQL MOVL CMPC5 BNEQ	5\$ CURQUE_DESC+4, R1 (R0), \$4(R0), #0, R2, (R1)	0747 0746
		000	000000v	00	04	00 AA 00 BC 05 AC 05	12 31 FB 13 DD	000C1 000C4 6\$: 000CB 000CE	BRW CALLS TSTW BEQL PUSHL	6\$ 12\$ #0, CLOSE_JOB aqueue 7\$	0749 0750 0751
				50		68 50 57	9E 00	000D5 000D5 7\$: 000D8 000DA 8\$:	BRB MOVAB PUSHL PUSHL	P.AAQ, RO RO R7	0752 0750
		000	000000G FE55	00 CF	08	02 5E AE 02	FB DD 9F FB	000DC 000E3 000E5 000E8	PUSHL PUSHAB CALLS	#2, STR\$COPY_DX SP FLAG_ITEM #2. GET FLAG TRAILER	0753
					001F0004 10	8F 87 80	DDF FBE DDF DDF DDF DDF DDF DDF DDF DDF DDF DD	000D5 000D5 000D8 000DA 000DC 000E3 000E5 000EB 000EB 000FC 000FC 000FE	MOVAB PUSHL PUSHL CALLS PUSHAB CALLS MOVAB MOVL MOVAB CLRL MOVW MOVZBW	CRÉJOBLÍST, \$\$ITMBLKPTR #2031620, (\$\$ITMBLKPTR)+ CURJOBID, (\$\$ITMBLKPTR)+ (\$\$ITMBLKPTR)+	0764
				80 80 80	85 04	AE 02D 8F 78 8 6 7 8 6 7 8 6 8 5 1 8 6 8 5 1	98 00 04	000FE 00101 00105 00109 00108	MOVL	R7 #2, STR\$COPY_DX SP FLAG_ITEM #2, GET_FLAG_TRAILER CRÉJOBLIST, \$\$ITMBLKPTR #2031620, (\$\$ITMBLKPTR)+ CURJOBID, (\$\$ITMBLKPTR)+ (\$\$ITMBLKPTR)+ CURQUE_DESC, (\$\$ITMBLKPTR)+ #134, (\$\$ITMBLKPTR)+ CURQUE_DESC+4, (\$\$ITMBLKPTR)+ (\$\$ITMBLKPTR)+ (\$\$ITMBLKPTR)+ (\$\$ITMBLKPTR) PRQ_FLAGS, 9\$ #108, R1 10\$	
				06 51	0C 6C	AC 8F 04	E9	00100	CLRL CLRW BLBC MOVZBL BRB	PRQ_FLAGS, 9\$ #108, R1 108	8 8 9 8
			02	A0 50	6D 04	51 A0 OC	9A B0 7C	00111 00115 00117 98: 0011B 108: 0011F	MOVZBL MOVU CLRQ ADDL2	#109 R1 R1 2(\$\$ITMBLKPTR) 4(\$\$ITMBLKPTR) #12, \$\$ITMBLKPTR	# 0 8 8 8 8

MAIL SPRINT 104-000						80	R.L		1984 01:14 1984 12:42		Page 28 (11)
				80	04	AE 80	B0 70	00127 0012B	CLRW MOVW CLRQ	FLAG ITEM, (\$\$ITMBLKPTR)+ (\$\$ITMBLKPTR)+	
				80		80E000E000E000A0AE	B4 B0 7C 04	00120 0012F 00132 00134	CLRQ CLRW MOVW CLRQ CLRL	(\$\$ITMBLKPTR)+ FLAG_ITEM, (\$\$ITMBLKPTR)+ (\$\$ITMBLKPTR)+ (\$\$ITMBLKPTR)+ TRAILER_ITEM, (\$\$ITMBLKPTR)+ (\$\$ITMBEKPTR)+ (\$\$ITMBEKPTR)+ -(\$P) JBCIOSB CREJOBLIST #10, -(\$P) -(\$P)	
					FF50 C0	7E CD AD	7C 9F 9F	00136 00138 0013C 0013F	CLRL CLRQ PUSHAB PUSHAB MOVQ CLRL CALLS	-(SP) JBCIOSB CREJOBLIST	0768
				7E			7D D4 FB	0013F 00142 00144	MOVQ CLRL CALLS	#10, -(SP) -(SP) #7, SYS\$SNDJBCW	•
				6A 56 08 56 19	FF50	07 55 55 55 55 57 05 64 70 70	DO E9 DO E8 DD	00142 00144 00147 0014A 0014D 00152	MOVL BLBC MOVL BLBS PUSHL PUSHL PUSHL CALLS PUSHL CALLS	RO, STATUS STATUS, 11\$ JBCIOSB, STATUS STATUS, 12\$ STATUS R7	0769 0770
					007E8032	57 01 8F	DD DD	00155 118: 00157 00159 0015B	PUSHL PUSHL PUSHL PUSHL	#8290354	0772
			00000000G	69 00		04 57 01	FB DD FB	00161 00164 00166	CALLS PUSHL CALLS	#4. LIB\$SIGNAL R7 #1, STR\$FREE1_DX	0773
0050	8F	0	0	6E	FFFR	00	04 2C	0016E 12\$:	RET MOVC5	#0, (SP), #0, #80, \$RMS_PTR	0785
0044	8F	0(FEF8 FEFC FF0E FF10 FF16 FF20 FF24 FF2C		FEF8 5003 48 007E10A2 0202 FE54 FB08 FB04	00 CBF 8F 08F CC8 CC8	90 90 90 90 90 90 90 90	001A1	MOVW MOVZBL MOVB MOVW MOVAB MOVL MOVB MOVC5	#20483, \$RMS PTR #72, \$RMS PTR+4 #2, \$RMS PTR+22 #8261794, \$RMS PTR+24 #514, \$RMS PTR+30 TMP NAM, \$RMS PTR+40 LISTFILE DESC#4, \$RMS PTR+44 LISTFILE DESC, \$RMS PTR+52 #0, (\$P), #0, #68, \$RMS_PTR	0790
0060	8f	0(FEB4 FECC FED4 FED8 FEF0	CD CD CD CD CD	FEB4 4401 007E10A2 0200 08 FEF8	COCBFFFEDODF1E1EBD206	B0 B0 9E 9E	001A8 001B6 001B9 001C0 001C9 001D0 001D0 001E4 001E7 001EE 001FA 001FA 002D6 002O6 002O6 002O6 0021A 00216	MOVW MOVL MOVW MOVAB MOVAB MOVC5	#17409 \$RMS PTR #8261794, \$RMS PTR+24 #512, \$RMS PTR+32 BUFF, \$RMS PTR+36 TMP FAB, \$RMS PTR+60 #0, (SP), #0, #96, \$RMS_PTR	0795
			FE54 FE56 FE58 FE5E FE60	CDCDCD	FE54 6002 0208 0208	CD 8F 01 CE 01 CE	8898ED9F8084	001E4 001E7 001EE 001F3 001FA	MOVW MNEGB MOVAB MNEGB MOVAB PUSHL PUSHAB CALLS	#24578, \$RMS_PTR #1, \$RMS_PTR¥2 TMP_ESNAM, \$RMS_PTR+4 #1, \$RMS_PTR+10 TMP_ESNAM, \$RMS_PTR+12	0
			000000006	00 56 01	FEF8	02 50 56	9F FB DO E8	00208 0020C 00213	PUSHL PUSHAB CALLS MOVL BLBS RET	R11 TMP_FAB #2. SYS\$CREATE RO. STATUS STATUS, 13\$	0797
					FEB4	SB CD	04 00 9F	0021A 138:	RET PUSHL PUSHAB	R11 TMP_RAB	0806

		-		_		
MA	ш	SF	R	I	NT	
VO				-		

QUEUE MAIL MESSAGE FOR PRINTING

16-Sep-1984 01:14:12 14-Sep-1984 12:42:29	VAX-11 Bliss-32 V4.0-742 DISK\$VMSMASTER:[MAIL.SRC]PRINT	.B32;1	(11)
--	---	--------	------

					1	4-2ep-1	1984 12:42:2	DISKSVMSMASTER: [MAIL.SRC]PRINT.B32;1	(11)
	00000000G	00 52 40 CD		020 528 000 001 001	FB 00220 D0 00227 E9 0022A D0 0022D E0 00236 9F 0023B DD 0023F FB 00241		CALLS MOVE RELBC S	2, SYS\$CONNECT 10, STATUS 1ATUS, 17\$. 0907
	OD ÖČ	AC	FEB4	02 CD	00 00220 E0 00236 9F 0023B DD 0023F		BBS PUSHAB T PUSHL CALLS	TATUS TATUS, 178 18261842, TMP_RAB+24 12, PRO_FLAGS, 148	0807 0809 0810
	F92E	CF			FB 00241		CALLS #	2 MAILSEXTRACT_MESSAGE	
		OD	00000000G FEB4	1F 00 CD 01 02 0B CD	E9 00248 9F 0024F	148:	BLBC M PUSHAB T	MAILSGL_FLAGS, 15\$	0811 0812
	F9C1	CF		02 08	DD 00253 FB 00255		CALLS #	EXTRACT_ALL_ISAM	
			FEB4	CD O1	11 0025A 9F 0025C	158:	PUSHAB T	MP_RAB	0813
	F9EB	CF 56 12		02 50 56 8F CD	DD 00260 FB 00262 D0 00267 E8 0026A	168:	PUSHL # CALLS # MOVL R	2. EXTRACT_ALL_SEQ 10. STATUS 11ATUS, 18\$ 128, TMP_FAB+5 MP_FAB	0915
	FEFD	CD	80 FEF8	8F	88 0026D	178:	MOVL R BLBS S BISB2 # PUSHAB T	128, TMP_FAB+5	0815
	0000000G	06	7670	ŎĨ	9F 00273 FB 00277 04 0027E		CUELS I	1, 31340036	0914
	FF10	CD	007E105A	8F	DO 0027F	185:	RET MOVL # PUSHL R	8261722, TMP_FAB+24	0816 0820 0822
	0000000G	00	FEF8	8F 5B CD 02 50	9F 0025C DD 00262 DO 00267 E8 0026A 88 0026D 9F 00273 FB 00277 04 0027E DD 00288 9F 0028A FB 00295		PUSHAB T CALLS # BLBS S	MP_FAB 2. SYS\$CLOSE TATUS, 19\$: 0022
08	AE FE68 63 FE78 63 FE7E	CD CD SO 80	80 0027001 C 08	10 06 06 AD 8F AE 80 8F	04 00298 28 00299 28 002A0 28 002A6 9E 002AC DO 002B0 9E 002B7 D4 002BB	198:	MOVC3 # MOVC3 # MOVAB A	16, TMP NAM+20, BUFF 6, TMP NAM+36, (PTR) 6, TMP NAM+42, (PTR) DDFILE[IST, \$\$ITMBLKPTR 2555932, (\$\$ITMBLKPTR)+ UFF, (\$\$ITMBLKPTR)+ \$\$ITMBLKPTR)+ 1572864, (\$\$ITMBLKPTR)+	0826 0827 0828 0837
		80	00180000	8F	DO 002BD		MOVL A	1572864, (\$\$ITMBLKPTR)+	
		80	00230004	80 8F AC 80	DO 002C6 9E 002CD 7C 002D1		MOVAB C	\$\$ITMBLKPTR)+ 2293764, (\$\$ITMBLKPTR)+ OPIES, (\$\$ITMBLKPTR)+ \$\$ITMBLKPTR)+	
		76	FF50 80	7E CD AD O2	7C 002D3 9F 002D5 9F 002D9 7D 002DC		PUSHAB J	(SP) BCIOSB DDFILELIST 2, -(SP) (SP)	0840
		6A 56 08 56	FF50	A0EDD2E7060667	9E 002B7 D4 002BB 7C 002C4 D0 002C6 9E 002CD 7C 002D1 7C 002D5 9F 002D5 9F 002DF FB 002E4 D0 002E4 D0 002F6 DD 002F6 DD 002F8 FB 002F6 DD 002F8 FB 002F6 DD 002F8	208:	MOVL R BLBC S MOVL J BLBS S PUSHL S	7, STATUS 0, STATUS TATUS, 20\$ BCIOSB, STATUS TATUS, 21\$ TATUS	0841 0842 0843
		69	007E8032	01 8F 04	DD 002F6 DD 002F8 FB 002FE 04 00301		PUSHL # PUSHL # CALLS # RET	1 8290354 4, LIB\$SIGNAL	6 6 8 8 8

MAILSPRINT VO4-000	QUEU	E MAIL I	MESSAGE FOR	PRINTI	NG			18	-Sep-1	984 01:14 984 12:42	:12	VAX-11 Bliss-32 V4.0 DISKSVMSMASTER: [MAIL	-742 .SRCJPRINT.B32;1 (1
			00000000G 3C	16 00 A7 05 69	14 30 20	A7 A7 O1 50 50	D68 000000000000000000000000000000000000	0305 0309 0300 0313 0317	218: 228: 238:	INCL BLBS PUSHAB CALLS MOVL BLBS PUSHL CALLS RET	#1. S	QUEUED ECLARED, 23\$ BLOCK SYS\$DCLEXH XITDECLARED 23\$	08 08 08
; Routine Siz	e: 800	bytes,	Routine	Base:	\$CODE\$	+ 0	51C						

```
MAILSPRINT
VO4-000
                                                                                           16-Sep-1984 01:14:12
14-Sep-1984 12:42:29
                                                                                                                             VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[MAIL.SRC]PRINT.B32;1
                       QUEUE MAIL MESSAGE FOR PRINTING
                      ROUTINE CLOSE_JOB : NOVALUE =
   FUNCTIONAL DESCRIPTION:
                                             This routine is called to close any currently open print job, releasing it for printing.
                                             It is also called as an exit handler at image run down.
                                     INPUTS:
                                             CURQUEUE = Current queue name. = zero if none.
                                    OUTPUTS:
                                             CURQUEUE = zero.
                                             If a print job is open, it is closed.
                                  BEGIN
                                  LOCAL
                                        STATUS
                                        CLOSEJÓBLIST : $ITMLST_DECL(ITEMS=1),
JBCSTSBUF : $BBLOCK[NAM$C_MAXRSS],
DESC : VECTOR[2,LONG],
JBCIOSB : VECTOR[2,LONG];
                                  IF .CURQUE_DESC[DSC$W_LENGTH] NEQ O THEN BEGIN
                                  THEN
                                             SITMLST_INIT(ITMLST=CLOSEJOBLIST,

(ITMCOD=SJC$_JOB_STATUS_OUTPUT,

BUFSIZ=NAM$C_MAXRSS,

BUFADR=JBCSTSBUF,

RETLEN=DESC[0]));
                                            AND (STATUS = .JBCIOSB[0])
                                              THEN BEGIN
                                                   IF .FILES QUEUED NEQ O THEN MAIL SPUT_OUTPUT (DESC);
                                             THEN SIGNAT (MAILS CREPRIJOB, 1, CURQUE_DESC, .STATUS);
STRSFREE1 DX(CURQUE_DESC);
FILES_QUEUED = 0;
                                                                                                                  !No current queue
                                  END:
```

MAILSPRINT V04-000	QUEUE MAIL MESSAGE FOR	PRINTING	N 3 16-Sep-1984 01:14:12 VAX-11 BLiss-32 V4.0-742 14-Sep-1984 12:42:29 DISK\$VMSMASTER:[MAIL.SRC]PRINT.B32;1	Page 32 (12)
		52 00000000° 5E FEE0 50 005800FF	0004 00000 CLOSE_JOB:	0855 0884 0890
	ОС	50 80 80 80 80 80 80 80 80 80 80 80 80 80	00 9E 00002 MOVAB CLORED DESC, R2 CE 9E 00009 MOVAB -288(SP), SP 62 B5 0000E TSTW CURQUE_DESC 6F 13 00010 BEQL AD 9E 00012 MOVAB CLOSEJOBLIST, \$\$ITMBLKPTR BF D0 00016 MOVAB JBCSTSBUF, (\$\$ITMBLKPTR)+ AE 9E 00011 MOVAB JBCSTSBUF, (\$\$ITMBLKPTR)+ AE 9E 00021 MOVAB DESC, (\$\$ITMBLKPTR)+ AE 04 00025 CLRL (\$\$ITMBLKPTR)+ AE D4 00027 CLRL DESC AE 9E 0002A MOVAB JBCSTSBUF, DESC+4 CLRQ -(\$P) AE 9F 00031 PUSHAB JBCIOSB AD 9F 00034 PUSHAB CLOSEJOBLIST OP 7D 00037 MOVQ M9, -(\$P) 7E D4 0003A PUSHAB CLOSEJOBLIST OP 7D 00037 MOVQ M9, -(\$P) 7F B 0003C CALLS M7, SYS\$SNDJBCW STATUS, 1\$ AE 9F 00043 BLBC STATUS, 1\$ AE 9F 00045 BLBC STATUS, 1\$ AE 9F 00051 PUSHAB DESC CALLS M1, MAIL\$PUT_OUTPUT BEQL 24 13 00046 BCQL 25 DD 00064 PUSHAB DESC CALLS M1, MAIL\$PUT_OUTPUT BEQL 25 DD 00066 PUSHL R2 OT DD 00066 PUSHL R2 OT DD 00066 PUSHL R2 OT FB 00077 CALLS M4, LIB\$SIGNAL PUSHL R2 OT FB 00077 CALLS M4, LIB\$SIGNAL PUSHL R2 OT FB 00077 CLRL M1, STR\$FREET_DX CALLS M1, STR\$FREET_DX	0891 0892 0895
		7E 05 F0	7E 7C 0002F CLRQ -(SP) AE 9F 00031 PUSHAB JBCIOSB AD 9F 00034 PUSHAB CLOSEJOBLIST 09 7D 00037 MOVQ #9, -(SP) 7E D4 0003A CLRL -(SP)	0895
	0000000G	00 17 50 11	AE 9F 00031 PUSHAB JBCIOSB AD 9F 00034 PUSHAB CLOSEJOBLIST 09 7D 00037 MOVQ #9, -(SP) 7E D4 0003A CLRL -(SP) 07 FB 0003C CALLS #7, SYS\$SNDJBCW 50 E9 00043 BLBC STATUS, 1\$ 6E D0 00046 MOVL JBCIOSB, STATUS 50 E9 00049 BLBC STATUS, 1\$ A2 D5 0004C TSTL FILES_QUEUED 24 13 0004F BEQL 2\$ AE 9F 00051 PUSHAB DESC 01 FB 00054 CALLS #1, MAIL\$PUT_OUTPUT	0896 0898
	00000000G	00 08	AE 9F 00051 PUSHAB DESC 01 FB 00054 CALLS #1, MAIL\$PUT_OUTPUT 18 11 0005B BRB 2\$ A2 D5 0005D 1\$: TSTL FILES_QUEUEL	0899 0893 0901
	0000000G	007E8032	18 11 0005B BRB 2\$ A2 D5 0005D 1\$: TSTL FILES_QUEUEL 13 13 00060 BEQL 2\$ 50 DD 00062 PUSHL STATUS 52 DD 00064 PUSHL R2 01 DD 00066 PUSHL #1 8F DD 00068 PUSHL #8290354 04 FB 0006E CALLS #4, LIB\$SIGNAL 52 DD 00075 2\$: PUSHL R2 01 FB 00077 CALLS #1, STR\$FREE1_DX	0902
	000000006	00 14	52 DD 00075 28: PUSHL R2 01 FB 00077	0903 0904 0906

; Routine Size: 130 bytes, Routine Base: \$CODE\$ + 083C

B 4 16-Sep-1984 01:14:12 14-Sep-1984 12:42:29 MAILSPRINT VAX-11 Bliss-32 V4.0-742 DISK\$VMSMASTER:[MAIL.SRC]PRINT.B32;1 (13) QUEUE MAIL MESSAGE FOR PRINTING 0907 : 774 1 END 0 ELUDOM .EXTRN LIB\$SIGNAL PSECT SUMMARY Name Bytes Attributes RD .NOEXE.NOSHR. LCL. REL. CON.NOPIC.ALIGN(2)
RD . EXE.NOSHR, LCL. REL, CON.NOPIC.ALIGN(2) SOWNS 72 NOVEC, WRT, 2238 NOVEC, NOWRT, \$CODE\$ Library Statistics

MA

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]STARLET.L32:1 _\$255\$DUA28:[MAIL.OBJ]MAILDEF.L32:1	9776 457	193	1 2	581 26	00:00.7

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$:PRINT/OBJ=OBJ\$:PRINT MSRC\$:PRINT/UPDATE=(ENH\$:PRINT)

; Size: 2100 code + 210 data bytes; Run Time: 00:30.5; Elapsed Time: 01:50.5; Lines/CPU Min: 1789; Lexemes/CPU-Min: 48975; Memory Used: 332 pages; Compilation Complete

0231 AH-BT13A-SE

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